

Storm Data and Unusual Weather Phenomena - June 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
ILLINOIS, Southwest				
GREENE COUNTY --- 1.8 NE GREENFIELD [39.35, -90.19]				
	06/27/10 16:57 CST		0	Thunderstorm Wind (EG 52 kt)
	06/27/10 16:57 CST		0	Source: Amateur Radio
Thunderstorm winds blew down several power lines as well as trees just east of Greenfield.				
JERSEY COUNTY --- 2.1 WNW MONUMENT [38.98, -90.50]				
	06/27/10 17:22 CST		0	Thunderstorm Wind (EG 52 kt)
	06/27/10 17:22 CST		0	Source: Amateur Radio
Thunderstorm winds blew down tree limbs up to 18 inches in diameter in Pere Marquette Park.				
FAYETTE COUNTY --- VANDALIA [38.97, -89.10], ST ELMO [39.03, -88.85]				
	06/27/10 17:55 CST		0	Thunderstorm Wind (EG 56 kt)
	06/27/10 18:00 CST		0	Source: Law Enforcement
Thunderstorm winds blew down numerous large trees, tree limbs and power lines in Vandalia and St. Elmo.				
MADISON COUNTY --- 1.0 SW EAST ALTON [38.86, -90.09]				
	06/27/10 18:15 CST		0	Thunderstorm Wind (EG 52 kt)
	06/27/10 18:15 CST		0	Source: Amateur Radio
Thunderstorm winds blew down numerous large tree limbs around town.				
BOND COUNTY --- 0.9 N OLD RIPLEY [38.89, -89.57], 0.3 S MULBERRY GROVE [38.93, -89.27]				
	06/27/10 18:30 CST		0	Thunderstorm Wind (EG 52 kt)
	06/27/10 19:10 CST		0	Source: Law Enforcement
Thunderstorm winds blew down numerous large trees across the county.				
BOND COUNTY --- SORENT0 [39.00, -89.57], 5.3 N MULBERRY GROVE [39.01, -89.27], 1.8 NNE TAMALCO [38.79, -89.27], 0.4 WSW PIERRON [38.78, -89.59]				
	06/27/10 18:41 CST		0	Flash Flood (due to Heavy Rain)
	06/28/10 00:30 CST		0	Source: Law Enforcement
Up to five inches of rain fell in a short amount of time on already saturated soils causing flash flooding. Numerous roads were flooded including streets in Greenville and Illinois Route 127 near Reno. Also, Illinois Route 140 between Smithboro and Mulberry Grove had several inches of water flowing over it.				
ST. CLAIR COUNTY --- BELLEVILLE [38.52, -89.98]				
	06/27/10 18:55 CST		0	Thunderstorm Wind (EG 52 kt)
	06/27/10 18:55 CST		0	Source: Trained Spotter
Thunderstorm winds caused some minor shingle damage to a building in town.				
CLINTON COUNTY --- 0.4 N NEW BADEN [38.54, -89.70]				
	06/27/10 19:26 CST		0	Thunderstorm Wind (MG 50 kt)
	06/27/10 19:26 CST		0	Source: Trained Spotter
FAYETTE COUNTY --- 2.8 NNE BINGHAM [39.16, -89.20], 2.2 NNE WRIGHTS CORNER [39.16, -88.86], 0.6 S ST PETER [38.86, -88.85], 0.6 S PITTSBURG [38.86, -89.22]				
	06/27/10 20:23 CST		0	Flash Flood (due to Heavy Rain)
	06/28/10 00:30 CST		0	Source: Law Enforcement

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Up to six inches of rain fell in a short amount of time on already saturated soils causing flash flooding. Numerous roads were flooded including U.S. Highway 51 both north and south of Vandalia. Up to 100 homes and businesses sustained damage from the flooding in Vandalia. Though most of the homes that sustained damage was due to water and sewer backup. Some businesses did have substantial flooding and the city garage had 18 inches of water inside and two squad cars parked outside the garage were damaged when they were submerged in the flood waters. Also, several water rescues had to be done as people drove around barricades and attempted to drive through the flooded streets. Some of the flooding in town was due to a 10 foot culvert under a railroad bed that was bent due to the large flow of water through it actually forcing the culvert up into the air, this stopped up the flow of water and backed the water up into properties on that side of town. No injuries were reported.				

Storms developed ahead of a strong cold front as it moved through the region. There were numerous reports of damaging winds as well as some isolated large hail and flash flooding.

MISSOURI, East

BOONE COUNTY --- 2.4 W STURGEON [39.22, -92.33]

06/27/10 15:53 CST	0	Hail (0.88 in)
06/27/10 15:53 CST	0	Source: Trained Spotter

AUDRAIN COUNTY --- 0.9 SW MEXICO [39.17, -91.91], 1.3 WSW FRANCIS [39.17, -91.87]

06/27/10 16:30 CST	0	Thunderstorm Wind (EG 52 kt)
06/27/10 16:31 CST	0	Source: Trained Spotter

Thunderstorm winds blew down a large tree across Audrain Road just south of intersection with Highway FF. Also, large tree limbs were blown down onto Mars Street and a large tree was blown down across Osage Street.

RALLS COUNTY --- 4.1 NNW FLINTHILL [39.67, -91.41]

06/27/10 17:08 CST	0	Thunderstorm Wind (EG 52 kt)
06/27/10 17:08 CST	0	Source: Trained Spotter

Thunderstorm winds blew down several large tree limbs.

MARION COUNTY --- 0.7 SSE PALMYRA [39.79, -91.53]

06/27/10 17:15 CST	0	Thunderstorm Wind (EG 52 kt)
06/27/10 17:15 CST	0	Source: Newspaper

Thunderstorm winds blew down a large tree limb in town. It fell onto two cars causing minor damage. The nearby house also sustained minor damage.

OSAGE COUNTY --- 2.1 SSE SHUBERT [38.49, -91.98], 2.7 SSE LOOSE CREEK [38.48, -91.93]

06/27/10 17:20 CST	0	Thunderstorm Wind (EG 83 kt)
06/27/10 17:30 CST	0	Source: NWS Storm Survey

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National Weather Service personnel conducted a damage survey over parts of west central Osage county and determined that the tree and structural damage was due to a combination of damaging downburst winds and microbursts from a severe thunderstorm which moved through the area between 620 pm and 630 pm.				
The damage area started a quarter of a mile west of County Road 608 near the Maries River. The roof of one machine shed was uplifted to the southeast on a farmstead near County Road 608. Tree damage was confined at three locations along the Maries River. One area of tree damage extended from the river up to the ridge axis across the river. Several large oak and pecan trees were damaged in this area.				
Other nearby tree damage due to the downbursts occurred along Brush Creek Hollow about 2 miles south southwest of Loose Creek. Several large oak trees over 100 years old were uprooted due to an intense microburst. Surface wind gusts were estimated between 85 and 95 mph in this location.				
Further east, towards the south end of County Road 603, near Brush Creek, a second machine shed was completely destroyed with the debris from the shed laid to the west southwest. As the machine shed started to lift to the west, five occupants moved inside a large pickup truck within the machine shed. None of the occupants were injured. A nearby house, approximately 50 yards to the south, was not damaged. Approximately 100 to 150 yards northeast and east of the machine shed, several large hardwood trees were uprooted and also lying to the west and southwest. This is an interesting area in which the tree and machine shed damage laid to the west and southwest and occurred immediately on the back side (west side) of the severe thunderstorm. This is an uncommon type of damage pattern. Surface winds were estimated between 70 and 90 mph in this location.				
The final area of tree damage occurred 2.2 miles southeast of the town of Loose Creek, along County Road 602. This road was along a ridge axis and several very large oak trees were uprooted to the northeast.				
The total tree and structural damage area extended 5 miles in length and one mile in width.				

GASCONADE COUNTY --- 1.0 WSW HERMANN [38.70, -91.45], 0.2 W HERMANN [38.70, -91.43]

06/27/10 17:35 CST	5K	Thunderstorm Wind (EG 52 kt)
06/27/10 17:40 CST	0	Source: Newspaper

Thunderstorm winds caused extensive tree damage in Hermann. Several large trees were blown down around town, as well as numerous branches. One tree fell onto the pavilion at the city park damaging it and a large tree limb fell onto the wooden bandstand in the park as well, causing minor damage.

ST. CHARLES COUNTY --- 3.6 NNE ORCHARD FARM [38.93, -90.43]

06/27/10 18:02 CST	0	Thunderstorm Wind (MG 51 kt)
06/27/10 18:02 CST	0	Source: ASOS

FRANKLIN COUNTY --- 0.7 W UNION [38.45, -91.01]

06/27/10 18:07 CST	0	Thunderstorm Wind (EG 52 kt)
06/27/10 18:07 CST	0	Source: Newspaper

Thunderstorm winds blew down a very large tree in Union City Park. The tree crushed the playground equipment at the park. No injuries were reported.

Storms developed ahead of a strong cold front as it moved through the region. There were numerous reports of damaging winds as well as some isolated large hail and flash flooding.